PATENT COOPERATION TREATY

From the					
INTERNATIONAL SEARCHING AUTHORITY To:					
To:	DCIT OF FEB 2005				
HAROLD H. BENNETT	TC WIPO				
SEED INTELLECTUAL PROPERTY LAW GRO SUITE 6300					
701 FIFTH AVENUE	WRITTEN OPINION OF THE				
SEATTLE, WA 98104-7092	INTERNATIONAL SEARCHING AUTHORITY				
	(PCT Rule 43bis.1)				
	Date of mailing (day/month/year) 03 FEB 2005				
Applicant's or agent's file reference	FOR FURTHER ACTION				
660119-401PC	See paragraph 2 below				
International application No. Internati	onal filing date (day/month/year) Priority date (day/month/year)				
PCT/US04/09295 26 Marc	h 2004 (26.03.2004) 26 March 2003 (26.03.2003)				
International Patent Classification (IPC) or both na	tional classification and IPC				
IPC(7): G09G 5/00, 5/08: R25I 15/00, 15/02: G0	5F 19/00 and US Cl.: 345/156, 158; 901/30; 318/560; 700/245				
Applicant	2 17/00 and 03 Cir. 545/150, 136, 951/30, 516/300, 700/243				
MIMIC TECHNOLOGIES, INC.					
1.00					
 This opinion contains indications relating to the 	e following items:				
Box No. I Basis of the opinion	Basis of the opinion				
Box No. II Priority					
Box No. III Non-establishment of	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
Box No. IV Lack of unity of inver	Lack of unity of invention				
Box No. V Reasoned statement u applicability; citations	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
Box No. VI Certain documents cit	Certain documents cited				
Box No. VII Certain defects in the	Certain defects in the international application				
Box No. VIII Certain observations	Certain observations on the international application				
2. FURTHER ACTION					
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis (b) that written opinions of this International Searching Authority will not be so considered.					
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailting of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220.					
For further details, see notes to Form PCT/ISA/220.					
Name and mailing address of the ISA/ US Authorized officer					
Mail Stop PCT, Attn: ISA/US					
Commissioner for Patents P.O. Box 1450					
Alexandria, Virginia 22313-1450 Telephone No. (703) 306-0377					

Facsimile No. (703) 305-3230
Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US04/09295

Dan 1	V. Y. D. J. C. J.
DUX I	No. I Basis of this opinion
1. With	n regard to the language, this opinion has been established on the basis of the international application in the language in whit as filed, unless otherwise indicated under this item.
	This opinion has been established on the basis of a translation from the original language into the following language 23.1(b)). which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and
2. With clain	r regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the ted invention, this opinion has been established on the basis of:
a.	type of material
	a sequence listing
	table(s) related to the sequence listing
b.	format of material
	in written format
	in computer readable form
c.	time of filing/furnishing
	contained in international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filled or furnished, the required statements that the information in the address that the life of the state of the sta
	the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
Additio	onal comments:
	SA/237(Box No. I) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/09295

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement 1 Statement YES Claims 2, 4, 7-10, 12-24 Novelty (N) NO Claims 1, 3, 5, 6, 11 YES Claims 2, 4, 7-10, 12-24 Inventive step (IS) NO Claims 1, 3, 5, 6, 11 YES Claims 1-24 Industrial applicability (IA) NO Claims NONE

2. Citations and explanations:

Claims 1, 3, 5, 6 and 11 lack novely under PCT Article 33(2) as being anticipated by Hamma, US 5,248,960.
With respect to claim I Hamma discloses a haptic interface device 20 to provide haptic interaction to a user manipulating a tool, the haptic interface device comprising an antachment point (cable 24 at a pointer 25), a first cable 24 having a first and a second end, the first end coupled to the attachment point; a first tool translation effecter device (assembly in housing 21) having coupled hereto the second end of the first cable (to a spool 44), the first tool translation effecter device including controlling means for controlling the first cable such that, as the attachment point moves, the first cable is terranted or paid out accordingly by the first tool translation effected device, meeting means (encoder 55; col. 9), lines 20-35) for metering the first cable as it is torracted and paid out; and establishing means for establishing, during an initialization procedure, a distance between the first tool translation effecter device and the attachment point.

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With respect to claims 3 and 6, Hamma teaches establishing means (col. 10, lines 28-42), which can calibrate the device

As to claim 5 Hamma further discloses a sensor (encoding wheels 38, 58 and photo sensors 40, 41, 60 and 61). As claim 11, the controlling means include tensioning means (spring; col. 7, Il. 47-56).

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US04/09295

Boy No.	VII	Certain	defects	in the	international	application

The following defects in the form or contents of the	international application have been noted:
The description is objected to as containing the following "encoders 126" on page 26, line 7 should apparently read	defect(s) under PCT Rule 66.2(a)(iii) in the form or contents thereof:

Form PCT/ISA/237 (Box No. VII) (January 2004)